

FIG. 1

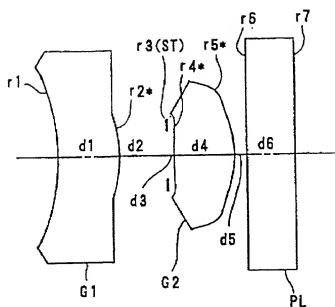
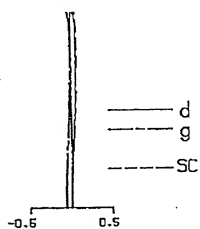


FIG. 2A

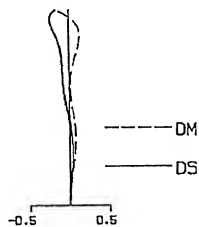
FNO=2.88



SPHERICAL
ABERRATION

FIG. 2B

$Y^* = 1.3$



SINE
CONDITION

FIG. 2C

$Y^* = 1.3$



ASTIGMATISM

DISTORTION %

FIG. 3

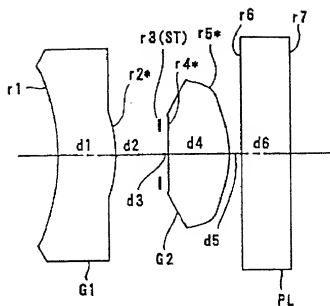
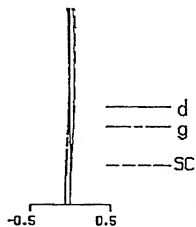


FIG. 4A

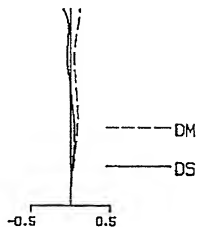
FNO=2.88



SPHERICAL SINE
ABERRATION CONDITION

FIG. 4B

$Y' = -1.3$



ASTIGMATISM

FIG. 4C

$Y' = -1.3$



DISTORTION %

FIG. 5

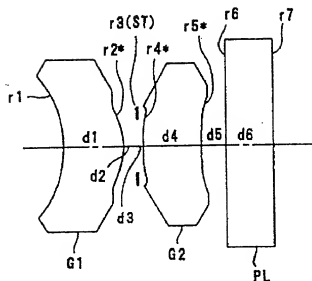


FIG. 6A

$FNO=2.68$

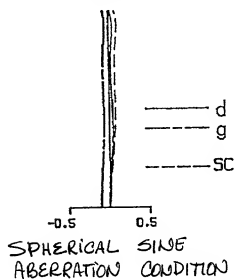


FIG. 6B

$Y'=1.3$

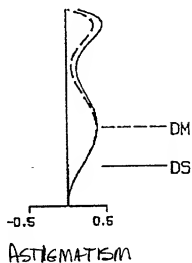


FIG. 6C

$Y'=1.3$



FIG. 7

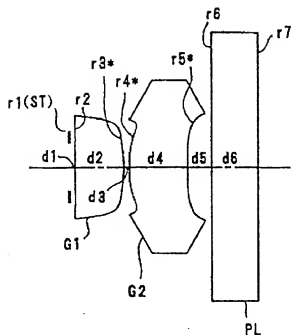


FIG. 8A

$FNO=2.68$

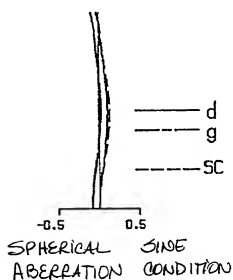


FIG. 8B

$Y'=1.0$

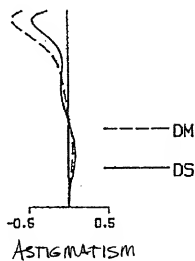


FIG. 8C

$Y'=1.0$



FIG. 9

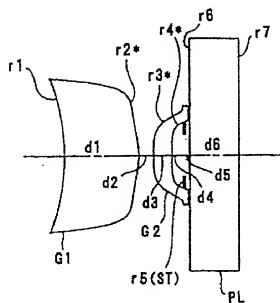


FIG. 10A

FNO=2.88

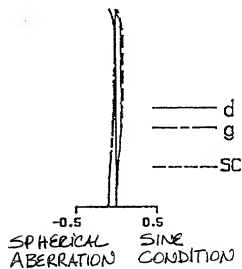


FIG. 10B

$Y^* = 1.0$

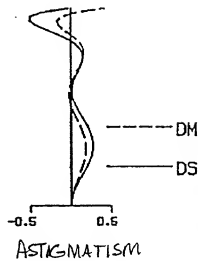


FIG. 10C

$Y^* = 1.0$

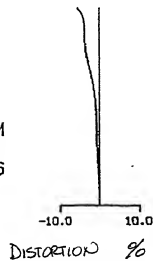


FIG. 11

